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Z.1

*Flow of Funds Accounts
of the United States*

*Flows and Outstandings
Second Quarter 2000*

Flow of Funds Summary Statistics

Second Quarter 2000

Growth of domestic nonfinancial debt in the second quarter remained steady at a 5-1/2 percent annual rate as somewhat faster growth in household and business debt was offset by a larger paydown in federal government debt.

Federal debt fell at an 11-1/2 percent annual rate in the second quarter, the largest quarterly decline on record. From its peak in early 1998, federal debt held by the public has dropped \$367 billion, or around 9-1/2 percent.

Household debt strengthened to a 9-1/2 percent rate in the second quarter, at the high end of the growth rates recorded in the past couple of years. Home mortgage borrowing was up sharply, and growth of consumer credit also was brisk. Businesses stepped up their borrowing last quarter, and debt of nonfinancial firms accelerated to a 12 percent rate.

Corporate borrowing was boosted by a further large increase in capital spending relative to cash flow and by a substantial rise in retirements of equity. State and local government debt growth edged up to a still-modest 2 percent rate in the second quarter; net borrowing by this sector has been held down by a dearth of advance-refunding issues and bulging tax receipts, as well as by large retirements.

The level of domestic nonfinancial debt outstanding was \$17.9 trillion at the end of the second quarter. Debt of nonfederal sectors was \$14.4 trillion, and federal debt was \$3.5 trillion.

Figures for the growth and level of debt are found in tables D.1 through D.3. Tables that show financial flows, amounts outstanding, and selected sector balance sheets are included in the remaining pages of this release.

Growth of Domestic Nonfinancial Debt¹

Percentage changes; quarterly data are seasonally adjusted annual rates

	Total	Federal	Nonfederal			
			Total	Households	Business	State and local govts.
1993	4.9	8.3	3.7	5.3	1.4	6.0
1994	4.5	4.7	4.4	7.6	3.6	-4.0
1995	5.5	4.1	6.0	7.9	6.8	-4.6
1996	5.3	4.0	5.8	7.3	5.8	-0.6
1997	5.6	0.6	7.3	6.5	8.7	5.3
1998	6.8	-1.4	9.6	8.8	11.0	7.2
1999	6.9	-1.9	9.5	9.2	11.0	4.4
1999:Q1	7.8	-2.2	10.9	9.4	13.4	6.6
:Q2	5.7	-2.6	8.1	8.6	8.5	3.6
:Q3	6.9	-1.9	9.5	9.5	10.5	4.3
:Q4	6.4	-0.9	8.4	8.0	9.9	2.7
2000:Q1	5.4	-5.9	8.4	8.2	10.4	0.3
:Q2	5.6	-11.4	10.0	9.6	12.1	2.0

1. Changes shown are on an end-of-period basis and may differ from month-average data in the H.6 release.

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Flow of Funds Accounts, Second Quarter 2000

An updated version of the *Guide to the Flow of Funds Accounts* has been published by the Federal Reserve Board to replace the 1993 edition. The 1,200-page *Guide*, in two volumes, explains in detail how the U.S. financial accounts are prepared and the principles underlying the accounts. The *Guide* can be purchased for \$20.00 from the Board's Publications Services at the address shown on the next page; Publications Services accepts orders accompanied by checks as well as credit card orders. The Internet site for this release at the location shown on the next page contains a link to an order form for the *Guide* that can be mailed or faxed to Publications Services.

This publication presents the flow of funds accounts for 2000:Q2.

Data revisions and other changes. The statistics shown in these tables reflect the use of new or revised source data. Most significant revisions appear in recent quarters; however, new source information resulted in changes to data for earlier periods. The revisions include the following:

1. Seasonal factors for quarterly financial flows have been recalculated for the period from 1990:Q1 onward. The factors were generated using the Statistics Canada X-11-ARIMA/88 seasonal adjustment program.

2. Revisions to the rest of the world sector (tables F.107 and L.107) reflect new estimates of the balance of payments from the Department of Commerce for the period 1982-1999. The revisions are detailed in the July 2000 *Survey of Current Business*. Among other information, the revisions reflect final results from the benchmark survey conducted by the Department of the Treasury and the Federal Reserve System of the level of U.S. portfolio investment in long-term foreign securities as of the end of 1997.

3. In the private pension funds sector (tables F.119 and L.119), data have been revised to reflect figures from the U.S. Internal Revenue Service/Department of Labor/Pension Benefit Guaranty Corporation Form 5500 filed for plan year 1996. The allocation of assets within the private pension funds sector has also been revised from 1988 forward based on newly available data for assets held in pooled accounts (such as master trusts and common and collective trusts) and improved methods for allocating assets in small plans (5500C filers).

4. Mortgages held by government-sponsored enterprises (tables F.124 and L.124) have been revised from 1997:Q4 forward to reflect the addition of mortgages held by Federal Home Loan Banks. The mortgages held are primarily single-family loans.

5. The statistics in this publication reflect the annual revisions to the national income and product accounts for 1997 forward released by the Department of Commerce on July 28, 2000, and subsequent information for 2000:Q2 released on August 25, 2000. The August 2000 issue of the *Survey of Current Business* details the major features of the annual revision of the national income and product accounts.

Explanatory notes for tables D.1, D.2, and D.3.

Domestic debt comprises credit market funds borrowed by U.S. entities from both domestic and foreign sources, while foreign debt represents amounts borrowed by foreign financial and nonfinancial entities in U.S. markets only. Financial sectors consist of government-sponsored enterprises, federally related mortgage pools, and private financial institutions. Credit market debt consists of debt securities, mortgages, bank loans, commercial paper, consumer credit, U.S. government loans, and other loans and advances; it excludes trade debt, loans for the purpose of carrying securities, and funds raised from equity sources.

Growth rates in table D.1 are calculated by dividing seasonally adjusted flows from table D.2 by seasonally adjusted levels at the end of the previous period from table D.3. Seasonally adjusted levels in flow of funds statistics are derived by carrying forward year-end levels by seasonally adjusted flows. Growth rates calculated from changes in unadjusted levels printed in table L.2 can differ from those in table D.1.

Relation of Flows to Outstandings. Estimates of financial assets and liabilities outstanding are linked to data on flows. However, figures on outstandings contain discontinuities or breaks in series that could affect analysis of particular relationships over time. Specifically, outstandings in the flow of funds accounts are related to the flows in the following way:

$\text{Outstanding}_t = \text{Outstanding}_{t-1} + \text{Flow}_t + \text{Discontinuity}_t$
 where “t” is the time period.

Discontinuities result from changes in valuation, breaks in source data, and changes in definitions. For most series, the value of the discontinuity is zero for nearly all time periods. However, in a few instances, the discontinuity is nonzero for almost all time periods, or is quite large in a particular quarter, such as a period when there is a sharp increase or decrease in equity prices or a major break in source data.

The discontinuities in a series can distort estimated rates of growth in assets and liabilities between periods. In order to minimize these distortions, percentage changes in assets and liabilities in flow of funds releases should be calculated as:

$\text{Percentage change}_t = (\text{Flow}_t / \text{Outstanding}_{t-1}) * 100$

Preliminary Estimates. Figures shown for the most recent quarter in these tables are based on preliminary and incomplete information. A summary list of the principal sources of information available when the latest quarter’s data were compiled is provided in a table following this introduction. The distinction between “available” data and “missing” data is not between final and preliminary versions of data, but rather between those source estimates that are fully ready when the latest quarterly publication is compiled and those that are not yet completed. However, the items that are shown as available are, in general, also preliminary in the sense that they are subject to revision by source agencies.

Margins of Uncertainty. Flow of funds statistics are subject to uncertainties resulting from measurement errors in source data, incompatibilities among data from different sources, potential revisions in both financial and nonfinancial series, and incomplete data in parts of the accounts. The size of these uncertainties cannot be

quantified in precise statistical terms, but allowance for them is explicitly made throughout the accounts by the inclusion of “discrepancies” for various sectors and instrument types. A discrepancy for a sector is the difference between its measured sources of funds and its measured uses of funds. For an instrument category, a discrepancy is the difference between measured funds borrowed through the financial instrument and measured funds lent through that instrument. The size of such discrepancies relative to the main asset or liability components is one indication of the quality of source data, especially on an annual basis. For quarterly data, differences in seasonal adjustment procedures for financial and nonfinancial components of the accounts sometimes result in discrepancies that cancel in annual data.

Availability of Data. Flow of funds statistics are updated about ten weeks following the end of a quarter. This publication—the Z.1 release—is available from the Board’s Publications Services. Flow of funds data are also available electronically through the Internet at the following location:

<http://www.federalreserve.gov/releases/Z1>

The Internet site also provides quarterly data beginning in 1952, organized in compressed files that correspond to the tables published in this release. There are files for quarterly data for seasonally adjusted flows, unadjusted flows, outstandings, balance sheets, and debt (tables D.1, D.2, and D.3). There is a separate file for monthly data from January 1955 onward for the debt aggregate published in the Board’s H.6 statistical release, “Money Stock and Debt Measures.”

Subscription Information. The Federal Reserve Board charges for subscriptions to all statistical releases. Inquiries for releases should be directed to:

Publications Services, Stop 127
 Board of Governors
 of the Federal Reserve System
 20th Street and Constitution Avenue, N.W.
 Washington, DC 20551
 (202) 452-3244

Availability of Data for Latest Quarter

	<u>Available at time of publication</u>	<u>Major items missing</u>
1. National income and product accounts (NIPA)	Preliminary estimates, seasonally adjusted, for 2000:Q2.	Unadjusted flows since 1998.
2. Households and nonprofit organizations sector (tables F.100 and L.100)	Estimates for this sector are largely residuals and are derived from data for other sectors. Availability of data depends on schedules for other sectors. Data for consumer credit, which are estimated directly, are available through 2000:Q2. The source for nonprofit organizations data (tables F.100.a and L.100.a) is the Internal Revenue Service <i>Statistics of Income</i> . Data for nonprofit organizations are available for 1987 through 1996.	
3. Nonfarm nonfinancial corporate business (tables F.102 and L.102)	<i>Quarterly Financial Report</i> (QFR) of the Census Bureau through 2000:Q1; Internal Revenue Service <i>Statistics of Income</i> data through 1997; securities offerings, mortgages, bank loans, commercial paper, and other loans through 2000:Q2.	<i>Statistics of Income</i> data since 1997; QFR data for 2000:Q2.
4. Nonfarm noncorporate business (tables F.103 and L.103)	Internal Revenue Service <i>Statistics of Income</i> data through 1997; bank and finance company loans and mortgage borrowing through 2000:Q2.	<i>Statistics of Income</i> data since 1997.
5. Farm business (tables F.104 and L.104)	Mortgages, bank loans, loans from government-sponsored enterprises, U.S. government loans to farms, and equity in government-sponsored enterprises through 2000:Q2; preliminary data for checkable deposits and currency and trade payables through 1999.	Revised data for consumption of fixed capital and undistributed profits since 1998.

6. State and local governments (tables F.105 and L.105)	Gross offerings and retirements of municipal securities, deposits at banks, and nonmarketable U.S. government security issues through 2000:Q2; selected financial assets through 1999:Q2 from the comprehensive annual financial reports of state and local governments that account for most of the holdings of the sector, and data from Standard & Poor's on local government investment pools.	Selected financial asset items since 1999:Q2.
7. Federal government (tables F.106 and L.106)	Data from the <i>Monthly Treasury Statement of Receipts and Outlays</i> through 2000:Q2; data from the Federal Financing Bank through 2000:Q1; Treasury data for loan programs through 2000:Q1.	Federal Financing Bank data and Treasury data for loan programs for 2000:Q2.
8. Rest of the world (U.S. international transactions) (tables F.107 and L.107)	Balance of payments data through 2000:Q2; NIPA estimates, data from bank Reports of Condition, and Treasury International Capital System data through 2000:Q2.	None.
9. Monetary authority (tables F.108 and L.108)	All data through 2000:Q2.	None.
10. Commercial banking (tables F.109 through F.113 and tables L.109 through L.113)	All data through 2000:Q2 for U.S.-chartered commercial banks, foreign banking offices in the U.S., bank holding companies, and commercial banks in U.S.-affiliated areas.	Data since 1999 for branches of domestic commercial banks located in U.S.-affiliated areas.
11. Savings institutions (tables F.114 and L.114)	All data through 2000:Q2.	None.
12. Credit unions (tables F.115 and L.115)	All data through 2000:Q2.	None.
13. Bank personal trusts and estates (tables F.116 and L.116)	All data through 1998.	Data since 1998:Q4.
14. Life insurance companies (tables F.117 and L.117)	All data through 2000:Q1; preliminary data for 2000:Q2.	Final data for 2000:Q2.
15. Other insurance companies (tables F.118 and L.118)	All data through 2000:Q1; preliminary data for 2000:Q2.	Final data for 2000:Q2.

16. Private pension funds (including FERS Thrift Savings Plan) (tables F. 119 and L.119)	Quarterly data through 2000:Q2; Internal Revenue Service/Department of Labor/Pension Benefit Guaranty Corporation Form 5500 data through 1996.	Form 5500 data since 1996.
17. State and local government employee retirement funds (tables F.120 and L.120)	All data through 2000:Q1.	Data for 2000:Q2.
18. Money market mutual funds (tables F.121 and L.121)	All data through 2000:Q2.	None.
19. Mutual funds (tables F.122 and L.122)	All data through 2000:Q2.	None.
20. Closed-end funds (tables F.123 and L.123)	All data through 1999.	Data since 1999.
21. Government-sponsored enterprises (tables F.124 and L.124)	Balance sheet data for FHLBs, Fannie Mae, Freddie Mac, FCS, FICO, REFCORP, and Sallie Mae through 2000:Q2.	None.
22. Federally related mortgage pools (tables F.125 and L.125)	All data through 2000:Q2.	None.
23. Issuers of asset-backed securities (ABSs) (tables F.126 and L.126)	All data from Trepp/PSA Information Services of the Muller Data Corporation and data for private mortgage pools, consumer credit, business loans, student loans, consumer leases, and trade credit securitization through 2000:Q2.	None.
24. Finance companies (tables F.127 and L.127)	All data through 2000:Q2.	None.
25. Mortgage companies (tables F.128 and L.128)	Mortgage data through 1998:Q1.	Data since 1998:Q1.
26. Real estate investment trusts (REITs) (tables F.129 and L.129)	Data from SNL REIT DataSource through 2000:Q2.	None.
27. Security brokers and dealers (tables F.130 and L.130)	Data for firms filing FOCUS and FOGS reports through 2000:Q2.	None.
28. Funding corporations (tables F.131 and L.131)	Estimates for this sector are largely residuals and are derived from data for other sectors.	